<u>RAW SEQUENCE LISTING</u>

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _10/537,704_

Source: _PCT_

Date Processed by STIC: _2/15/06_

ENTERED

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           RAW SEQUENCE LISTING                  DATE: 02/15/2006
           PATENT APPLICATION:   US/10/537,704   TIME: 10:13:23

           Input Set : A:\16095.seq list.txt
           Output Set: N:\CRF4\02152006\J537704.raw

      3 <110> APPLICANT: XENOME LTD
      5 <120> TITLE OF INVENTION: NOVEL CHI-CONOTOXIN PEPTIDES (-I)
      7 <130> FILE REFERENCE: 12373570/JGC
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/537,704
C-->  9 <141> CURRENT FILING DATE: 2005-06-02
      9 <150> PRIOR APPLICATION NUMBER: 10/537,704
     10 <151> PRIOR FILING DATE: 2005-06-02
     12 <160> NUMBER OF SEQ ID NOS: 12
     14 <170> SOFTWARE: PatentIn version 3.1
     16 <210> SEQ ID NO: 1
     17 <211> LENGTH: 13
     18 <212> TYPE: PRT
     19 <213> ORGANISM: Conus marmoreus
     21 <220> FEATURE:
     22 <221> NAME/KEY: MISC_FEATURE
     23 <222> LOCATION: (12)..(12)
     24 <223> OTHER INFORMATION: X is 4-hydroxyproline
     27 <220> FEATURE:
     28 <221> NAME/KEY: DISULFID
     29 <222> LOCATION: (4)..(13)
     30 <223> OTHER INFORMATION:
     33 <220> FEATURE:
     34 <221> NAME/KEY: DISULFID
     35 <222> LOCATION: (5)..(10)
     36 <223> OTHER INFORMATION:
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     47 <212> TYPE: PRT
     48 <213> ORGANISM: Conus marmoreus
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     51 <221> NAME/KEY: MISC_FEATURE
     52 <222> LOCATION: (12)..(12)
     53 <223> OTHER INFORMATION: X is 4-hydroxyproline
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     57 <221> NAME/KEY: DISULFID
     58 <222> LOCATION: (4)..(13)
     59 <223> OTHER INFORMATION:
     62 <220> FEATURE:
     63 <221> NAME/KEY: DISULFID
     64 <222> LOCATION: (5)..(10)
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RAW SEQUENCE LISTING   DATE: 02/15/2006
PATENT APPLICATION: US/10/537,704   TIME: 10:13:23

Input Set : **A:\16095.seq list.txt**
Output Set: **N:\CRF4\02152006\J537704.raw**

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W--> 68 <400> 2
W--> 70 Val Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys
        71 1               5                   10
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        76 <212> TYPE: PRT
        77 <213> ORGANISM: Artificial Sequence
        79 <220> FEATURE:
        80 <223> OTHER INFORMATION: synthetic
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        83 <221> NAME/KEY: MISC_FEATURE
        84 <222> LOCATION: (1)..(1)
        85 <223> OTHER INFORMATION: X is a pGLU or DpGlu residue
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        89 <221> NAME/KEY: MISC_FEATURE
        90 <222> LOCATION: (2)..(2)
        91 <223> OTHER INFORMATION: X is Asn or a deletion
        94 <220> FEATURE:
        95 <221> NAME/KEY: DISULFID
        96 <222> LOCATION: (5)..(14)
        97 <223> OTHER INFORMATION:
       100 <220> FEATURE:
       101 <221> NAME/KEY: DISULFID
       102 <222> LOCATION: (6)..(11)
       103 <223> OTHER INFORMATION:
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W--> 108 Xaa Xaa Gly Val Cys Cys Gly Tyr Lys Leu Cys His Pro Cys
       109 1               5                   10
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       122 <222> LOCATION: (1)..(1)
       123 <223> OTHER INFORMATION: X is pyroglutamic acid
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       127 <221> NAME/KEY: misc_feature
       128 <222> LOCATION: (12)..(12)
       129 <223> OTHER INFORMATION: X is 4-hydroxyproline
       132 <220> FEATURE:
       133 <221> NAME/KEY: MOD_RES
       134 <222> LOCATION: (13)..(13)
       135 <223> OTHER INFORMATION: AMIDATION
       138 <220> FEATURE:
       139 <221> NAME/KEY: DISULFID
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       141 <223> OTHER INFORMATION:
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       145 <221> NAME/KEY: DISULFID
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       166 <222> LOCATION: (1)..(1)
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       178 <222> LOCATION: (13)..(13)
       179 <223> OTHER INFORMATION: X is D-cysteine
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       183 <221> NAME/KEY: MOD_RES
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       185 <223> OTHER INFORMATION: AMIDATION
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       211 <223> OTHER INFORMATION: X is pyroglutamic acid
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     222 <222> LOCATION: (12)..(12)
     223 <223> OTHER INFORMATION: X is 4-hydroxyproline
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     227 <221> NAME/KEY: DISULFID
     228 <222> LOCATION: (4)..(13)
     229 <223> OTHER INFORMATION:
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     233 <221> NAME/KEY: DISULFID
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     235 <223> OTHER INFORMATION:
W--> 238 <220>
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     252 <212> TYPE: PRT
     253 <213> ORGANISM: Artificial Sequence
     255 <220> FEATURE:
     256 <223> OTHER INFORMATION: synthetic
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     259 <221> NAME/KEY: misc_feature
     260 <222> LOCATION: (1)..(1)
     261 <223> OTHER INFORMATION: X is pyroglutamic acid
     264 <220> FEATURE:
     265 <221> NAME/KEY: misc_feature
     266 <222> LOCATION: (8)..(8)
     267 <223> OTHER INFORMATION: X is 4-methoxytyrosine
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     272 <222> LOCATION: (13)..(13)
     273 <223> OTHER INFORMATION: X is 4-hydroxyproline
     276 <220> FEATURE:
     277 <221> NAME/KEY: MOD_RES
     278 <222> LOCATION: (13)..(13)
     279 <223> OTHER INFORMATION: AMIDATION
     282 <220> FEATURE:
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     284 <222> LOCATION: (5)..(14)
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W-->    296 Xaa Asn Gly Val Cys Cys Gly Xaa Lys Leu Cys His Xaa Cys
        297 1               5               10
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        302 <212> TYPE: PRT
        303 <213> ORGANISM: Artificial Sequence
        305 <220> FEATURE:
        306 <223> OTHER INFORMATION: synthetic
        308 <220> FEATURE:
        309 <221> NAME/KEY: misc_feature
        310 <222> LOCATION: (1)..(1)
        311 <223> OTHER INFORMATION: X is pyroglutamic acid
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        315 <221> NAME/KEY: misc_feature
        316 <222> LOCATION: (13)..(13)
        317 <223> OTHER INFORMATION: X is 4-hydroxyproline
        320 <220> FEATURE:
        321 <221> NAME/KEY: MOD_RES
        322 <222> LOCATION: (13)..(13)
        323 <223> OTHER INFORMATION: AMIDATION
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        327 <221> NAME/KEY: DISULFID
        328 <222> LOCATION: (5)..(14)
        329 <223> OTHER INFORMATION:
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        333 <221> NAME/KEY: DISULFID
        334 <222> LOCATION: (6)..(11)
        335 <223> OTHER INFORMATION:
W-->    338 <400> 8
W-->    340 Xaa Asn Gly Val Cys Cys Gly Tyr Lys Leu Cys His Xaa Cys
        341 1               5               10
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        345 <211> LENGTH: 13
        346 <212> TYPE: PRT
        347 <213> ORGANISM: Artificial Sequence
        349 <220> FEATURE:
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        352 <220> FEATURE:
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        354 <222> LOCATION: (1)..(1)
        355 <223> OTHER INFORMATION: X is pyroglutamic acid
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        360 <222> LOCATION: (12)..(12)
        361 <223> OTHER INFORMATION: X is 4-hydroxyproline
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 02/15/2006
PATENT APPLICATION: **US/10/537,704**   TIME: 10:13:24

Input Set : **A:\16095.seq list.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 12
Seq#:2; Xaa Pos. 12
Seq#:3; Xaa Pos. 1,2
Seq#:4; Xaa Pos. 1,12
Seq#:5; Xaa Pos. 1,12,13
Seq#:6; Xaa Pos. 1,7,12
Seq#:7; Xaa Pos. 1,8,13
Seq#:8; Xaa Pos. 1,13
Seq#:9; Xaa Pos. 1,12
Seq#:10; Xaa Pos. 1,12
Seq#:11; Xaa Pos. 1,12
Seq#:12; Xaa Pos. 1,11,12

VERIFICATION SUMMARY   DATE: 02/15/2006
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Input Set : **A:\16095.seq list.txt**
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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:30
L:39 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:36
L:41 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:68 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:59
L:68 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:2,Line#:65
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:106 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:97
L:106 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:103
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:141
L:150 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:4,Line#:147
L:152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:194 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:191
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:238 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:229
L:244 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:6,Line#:235
L:246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:294 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:285
L:294 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:7,Line#:291
L:296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:338 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:329
L:338 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:8,Line#:335
L:340 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:376 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:367
L:376 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:9,Line#:373
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:414 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:405
L:414 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:10,Line#:411
L:416 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:458 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:449
L:458 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:455
L:460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:508 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:499
L:508 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:505
L:510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
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